

**NETWORKED WIRELESS COMMUNICATIONS DEVICE
PROGRAMMED TO IDENTIFY AND ELIMINATE
PROBABLE MULTIPATH ERRORS TO ENHANCE
ACCURACY IN CORRECTING SLEEP CLOCK FOR
THERMALLY INDUCED ERRORS**

ABSTRACT

A method for correcting operation of the sleep oscillator (116) of a wireless communications device (100). Sleep oscillator frequency is estimated (412) so as to compensate for estimated temperature induced errors. In estimating temperature induced errors, errors (504) in sleep oscillator frequency are treated as being temperature induced errors (522), but probable multipath errors are bounded (410, 520) to predetermined sleep clock error maxima (602) corresponding to sleep duration over which the error occurred.